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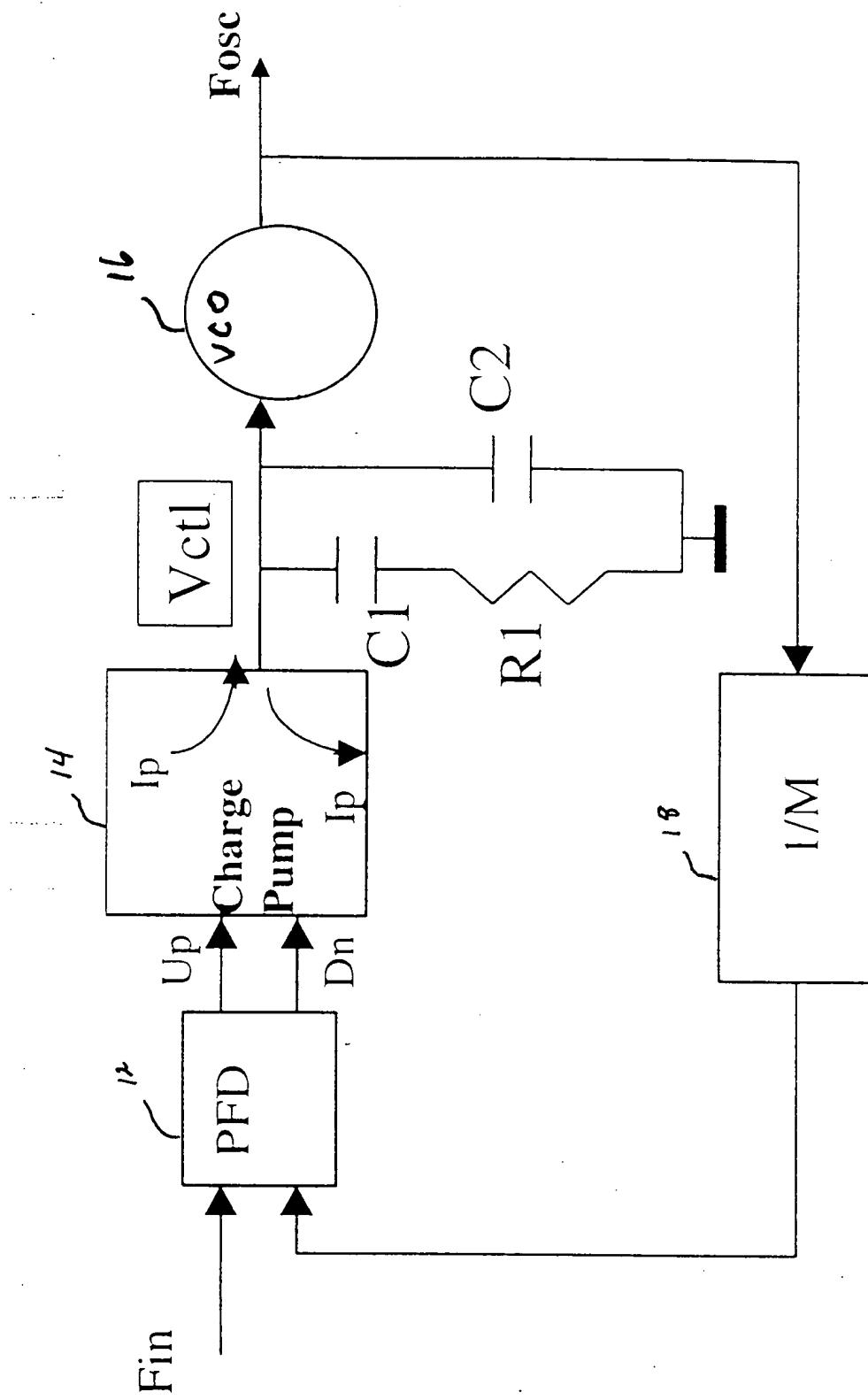


Figure 1. Charge-Pump PLL (Prior Art)

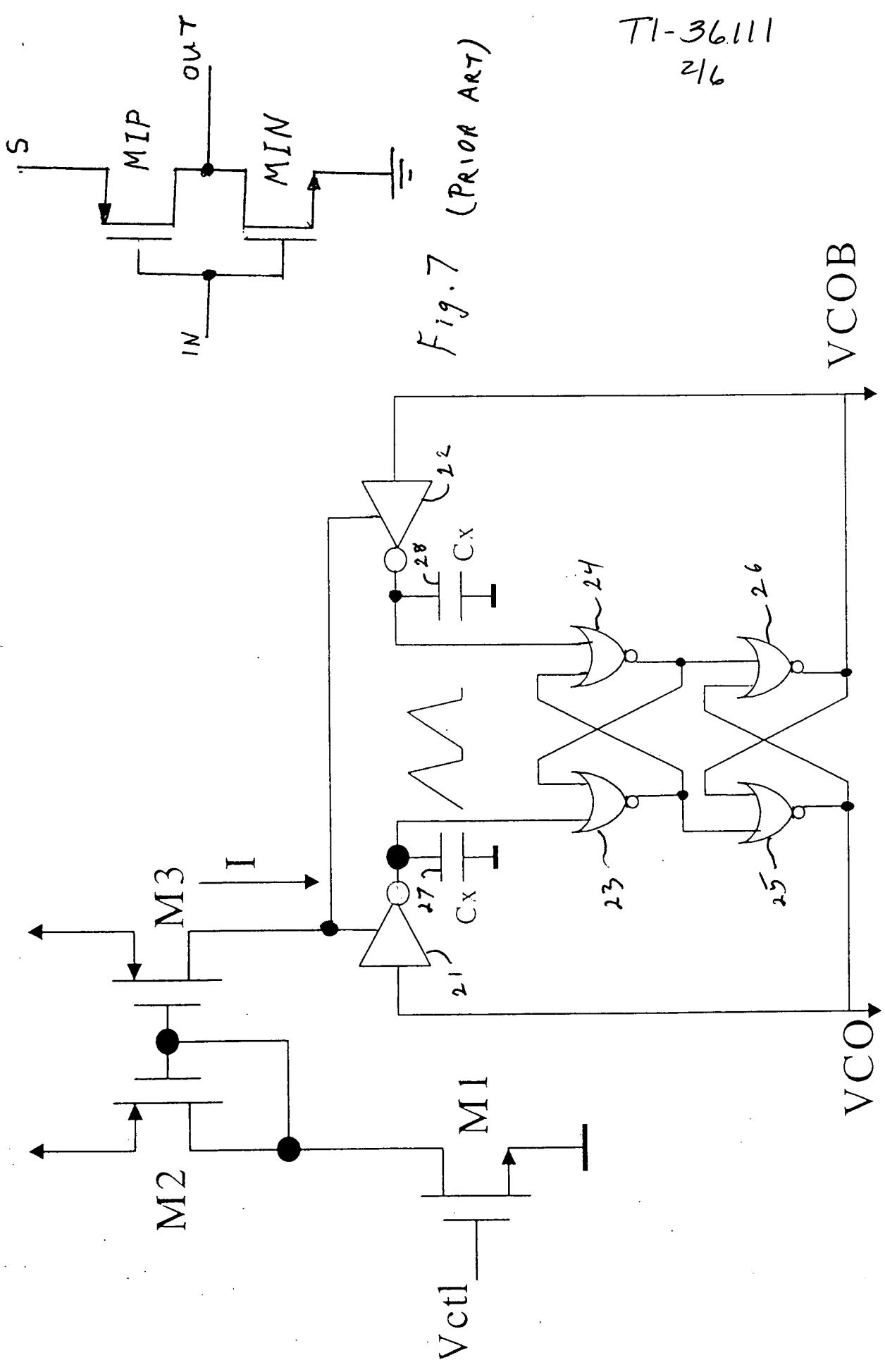


Fig. 7  
(Prelor ART)

Figure 2. Differential Relaxation VCO  
(Prelor ART)

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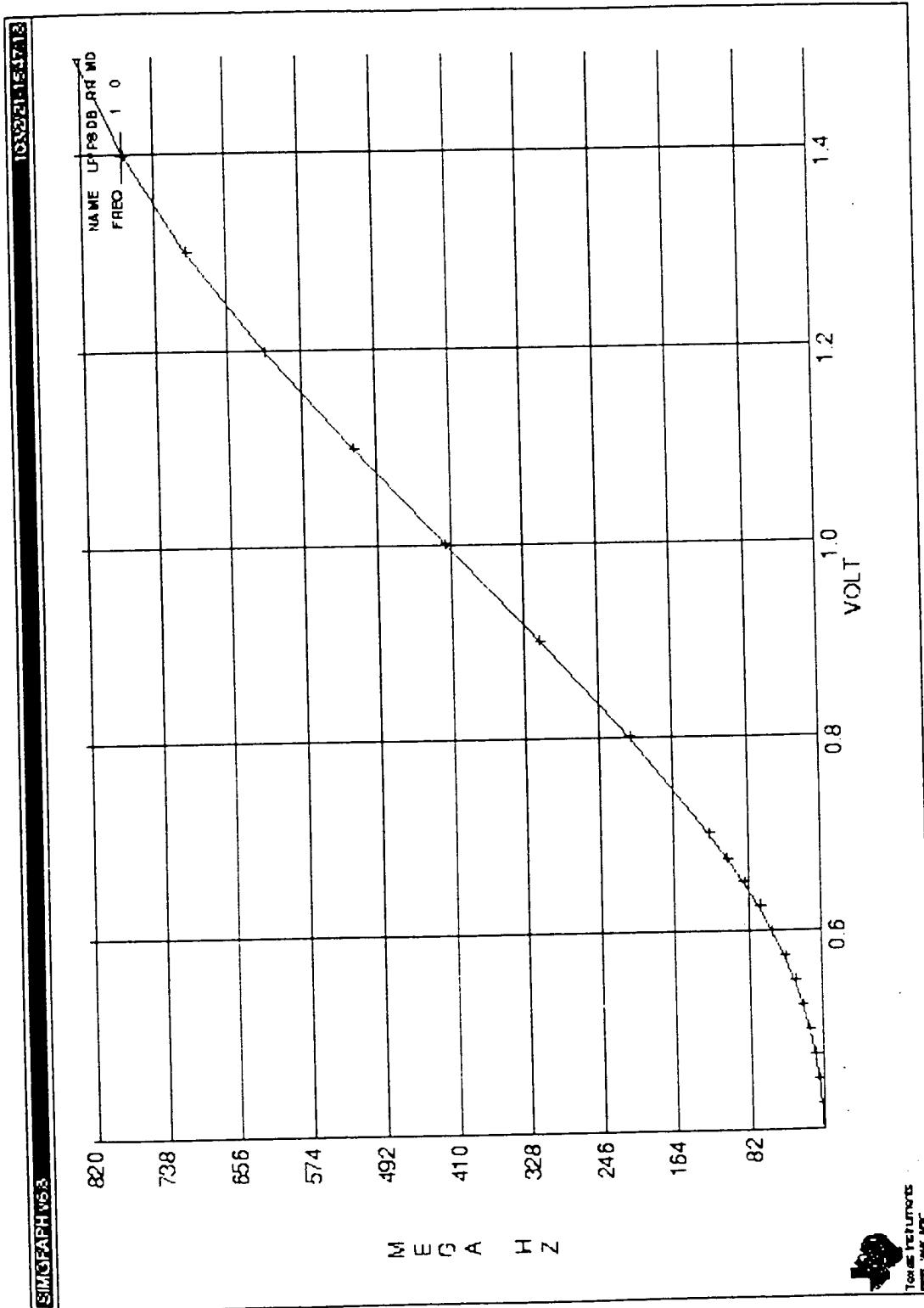


Figure 3. VCO gain curve. (X-axis is the V<sub>c1</sub>, Y-axis is the VCO frequency F<sub>osc</sub>)

(Prior Art)

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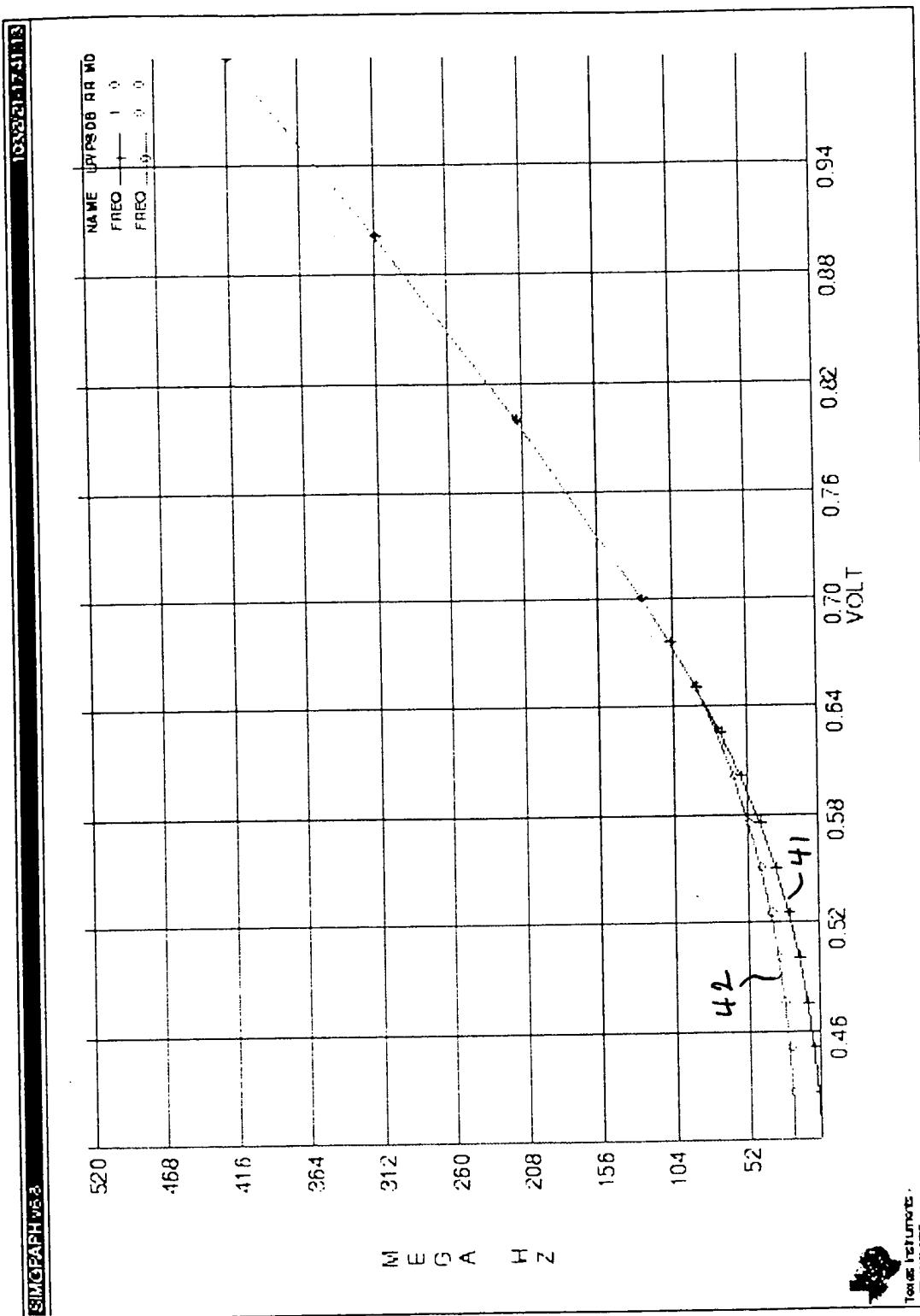


Figure 4. Idea to change VCO gain at low frequencies.

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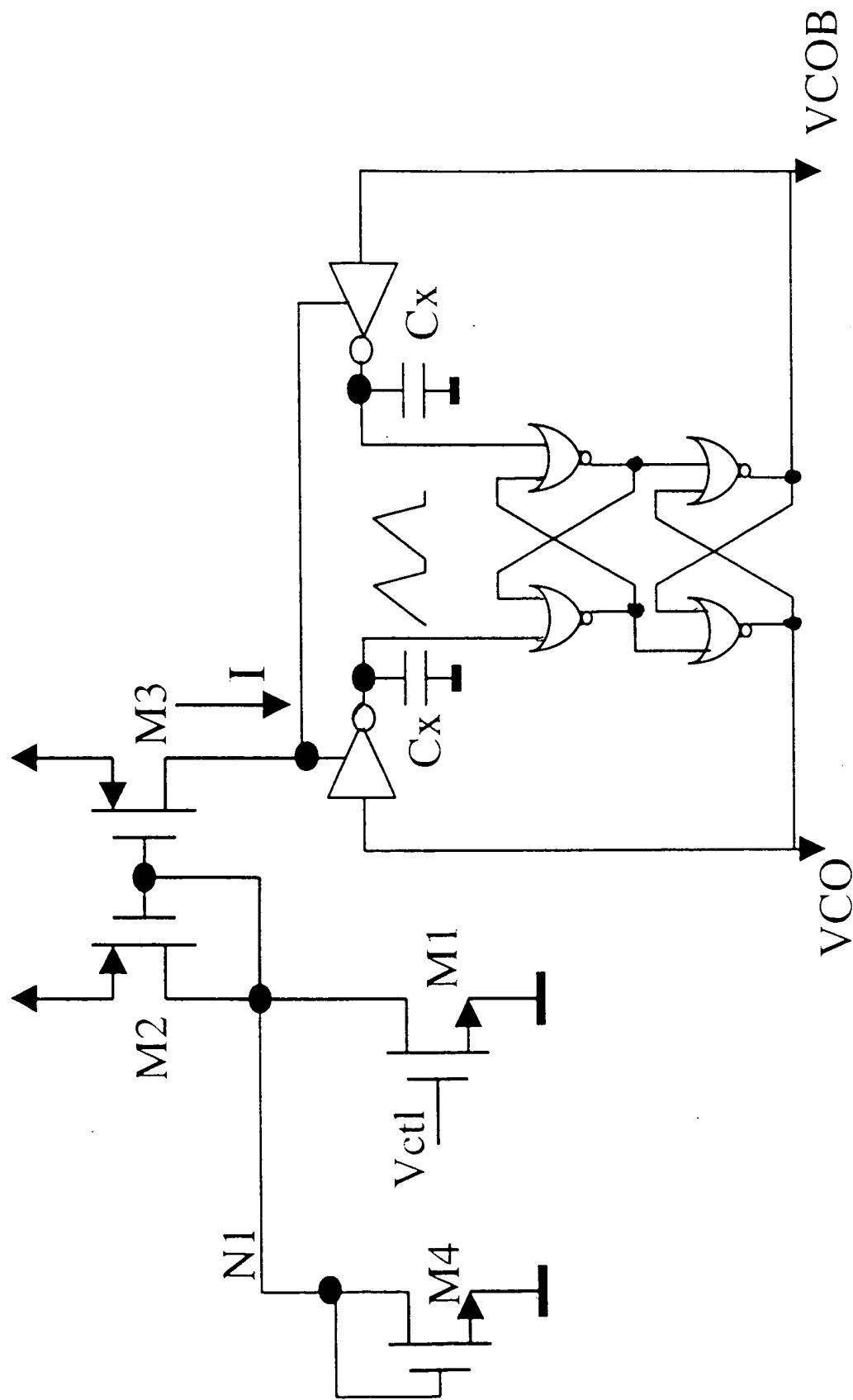


Figure 5. Diode-Connected MOS to Reduce VCO Gain at Low Frequency

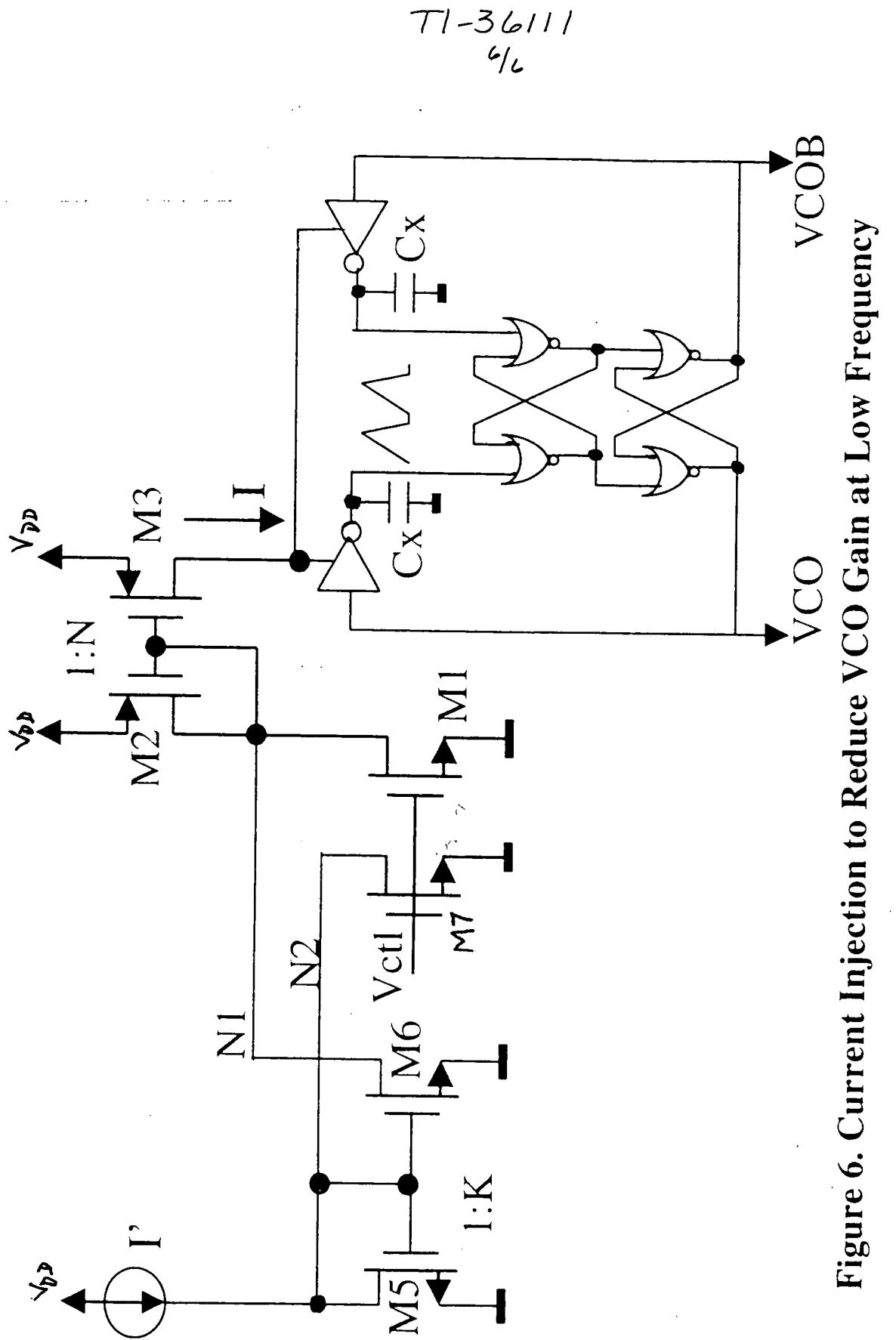


Figure 6. Current Injection to Reduce VCO Gain at Low Frequency